Illuminated pushbutton Ø 16 mm silver contact

82-4151.2133

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FRONT

Front dimension: Ø 18 mm

Front form: round

Front bezel material: Stainless steel

Front bezel shape: flush

MOUNTING

Mounting cut-out: Ø 16 mm

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens colour: Silver

Lens material: Stainless steel

Lens illumination: illuminative

Lens shape: flush

Lens optics: opaque

Illumination colour: Green

Shape of illumination: Ring

ELECTRICAL CHARACTERISTICS

Contacts: 1 C

Operating voltage: 12 V AC/DC

Operation current: 7 mA

Switching voltage and switching current:	according to IEC 60947-5-1 (Silver contacts)	
	Service categorie AC-15	
	Voltage	Current
	24 VAC	1 A
	35 VAC	1 A (M12 versio
	110 VAC	1 A
	220 VAC	0.5 A
	Switch rating DC service categorie DC-13 (Silver contacts)	
	Voltage	Current
	24 VDC	0.7 A
	35 VDC	0.5 A (M12 vers
	110 VDC	0.2 A
	220 VDC	0.1 A
	according to UL 508 (Silver contacts)	
	$\cos\varphi$ 0,75 … 0,8	
	Voltage	Current
	120 VAC	5 A
	240 VAC	3 A
	24 VAC	1 A

Rated Operational Voltage Ue:	250 VAC
Rated insulation voltage Ui:	250 V
Electrical lifetime:	50 000 cycles of operation
Electric strength:	1500 VAC, 50 Hz 1 minute between life terminals and ground
Pollution degree:	2, according to EN IEC 60947-1
Thermal current Ith:	5 A

MECHANICAL CHARATERISTIC

Terminal:	Soldering terminal, 2.8 x 0.5 mm
Contact material:	Silver
Switching action:	Maintained
Switching system:	Snap-action switching element
Mechanical lifetime:	500 000 cycles of operation
Operating force:	4 N … 7 N
Operating Travel:	ca. 3 mm
Tightening torque:	0.5 … 0.6 Nm
Weight:	0.018 kg

AMBIENT CONDITION

IP front protection:	IP65, IP67
Operating temperature:	– 30 °C … + 70 °C
Storage temperature:	

– 40 °C ... + 80 °C

Shock resistance: Max. 500 m / s^2 as per IEC 60068-2-27

Vibration resistance: 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

Climate resistance: Damp heat, 21 days according to IEC 60512-11

CERTIFICATE

Approbations: CB, CCC, C UL, UL

Conformities: CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

REACH: REACH compliant

RoHS: RoHS compliant

OTHER

Short Description: Illuminated pushbutton Ø 16 mm silver contact, Maintained, 12 V AC/DC, 1 C,
                                    Soldering terminal, 2.8 x 0.5 mm, round, Stainless steel, Green, Silver

Kind of illlumination: Single-LED

Wiring diagrams:
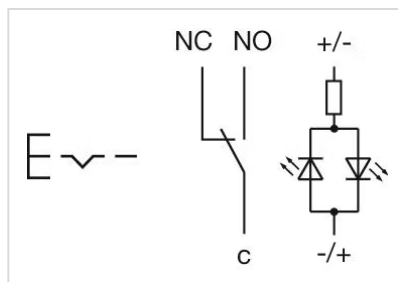
Component layouts:

Mounting cut-outs:

24 min.

24 min.

Ø16 +0.3 +0.1

Dimension drawings:

8 max.

Ø18

M16x1mm

2

33.5 max.

37.5 max.
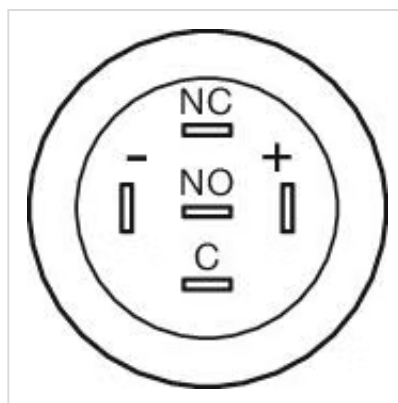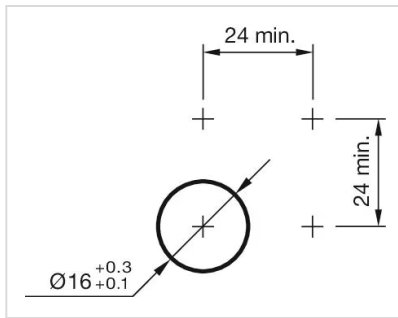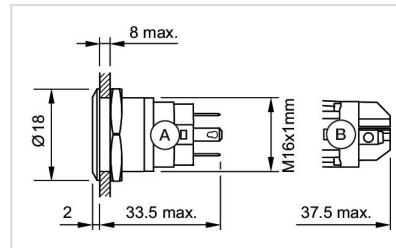
A = Solder terminal
B = Screw terminal

Where to Buy

Distributor	Quantity in Stock	
DigiKey Digi-Key	71 in stock	**Buy** 🛒
MOUSER ELECTRONICS Mouser Electronics	50 in stock	**Buy** 🛒
SAGER ELECTRONICS Sager	50 in stock	**Buy** 🛒
RS RS UK	3 in stock	**Buy** 🛒
Farnell AN AVNET COMPANY Farnell element14 UK	3 in stock	**Buy** 🛒

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